PCR310U-SF
SmaFinger® Formater

User's Manual

Issue SmaFinger® Data Format Card

For "Card + Finger" Access Mode

REV.E

October 8, 2008

1. Preparation

Connect the PCR310U RWD

To issue a card, you will need a RWD called PCR310 to work with the computer through USB port. If this is your first time to apply PCR310 RWD with your computer, you need to install USB Driver for PCR310 connection. Apply the bundled DISK5219 USB driver and put it into CD-ROM drive for installation. Just follow the on-screen instructions. After the USB driver is installed, click **[Auto Scan]** button, it will find and get PCR310 RWD connected.

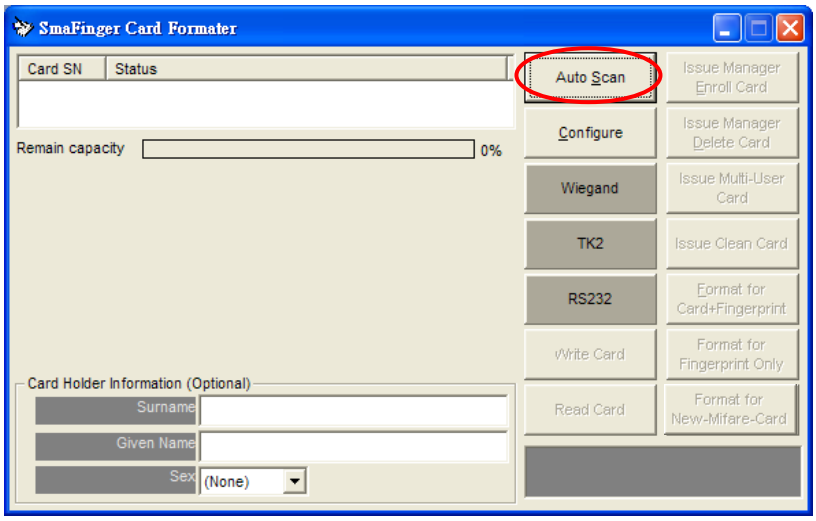
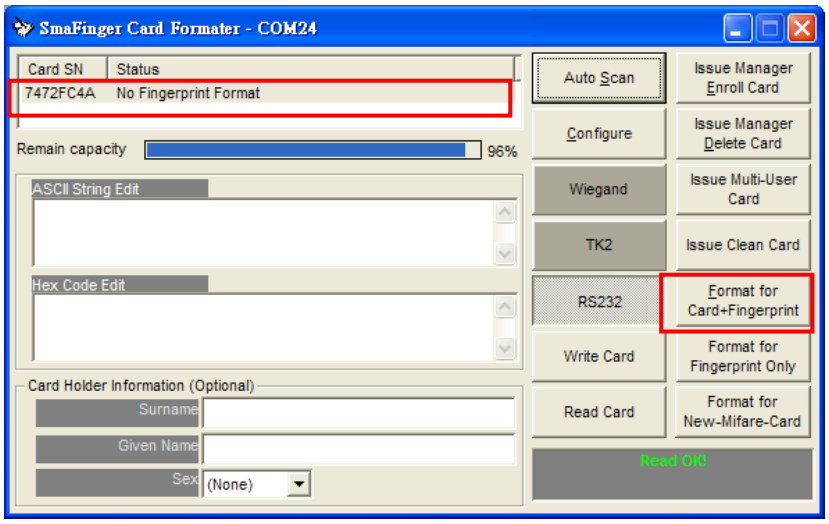
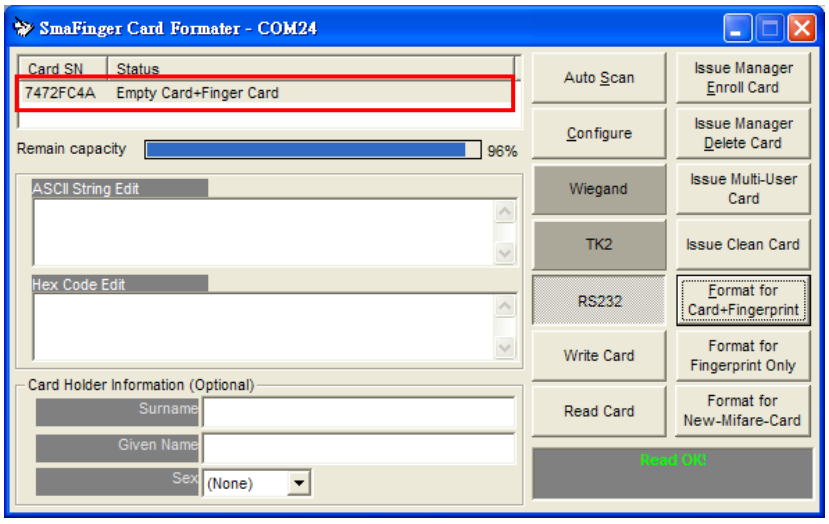
Configure the software settings

Install "SmaFinger Formater", and run this software from "Start/All programs/GIGA-TMS/SmaFinger Formater". Click [Configure] to begin settings the parameters.

Remark:

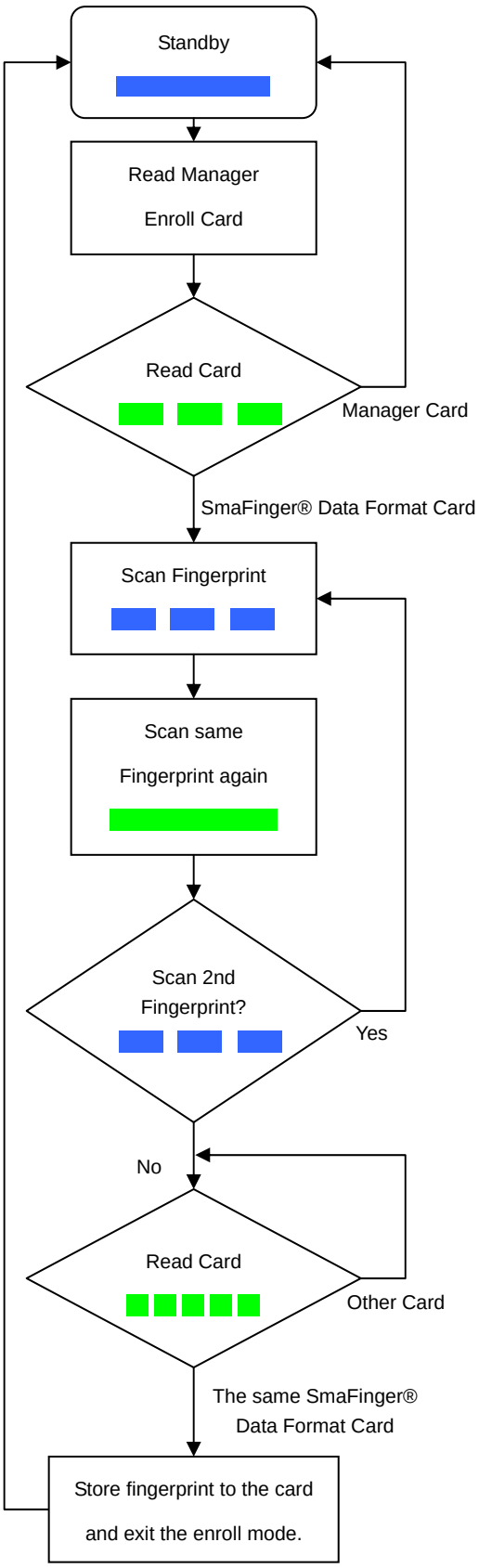
When you exit the software, it will automatically store all these keys and parameters you have set. We strongly recommend you do the back up as always of all these keys to avoid any problem.

2. Format Card for SmaFinger® Data Format

Step 1: Connect the PCR310 RWD to PC via USB port. Run the software "SmaFinger Formater" (Start/All programs/GIGA-TMS/SmaFinger Formater). Click "Auto Scan"	
Step 2: Put a new Mifare Card on Reader. List show "No Fingerprint Format" Click "Format for Card+Fingerprint"	
Step 3: Wait for "Format OK". List show "Empty Card+Finger Card" This card can be issued for Card+Finger Access Mode **with UID**. If you need SmaFinger® Data Format with Sector Data, please refer the Appendix A.	

3. Applying Manager Enroll Card for card issuing under different access mode

A. Access Mode: Card + Finger



Step 1

In Standby mode the LED is blue on, you can read Manager Enroll Card to enter the enroll mode

Step 2

In enroll mode the LED is green blinking, you can read the SmaFinger® Data Format Card to enter the scan mode.

Or read Manager Enroll Card again to exit the enroll mode.

Step 3

In scan mode the LED is blue blinking, please scan user's fingerprint till beeper sound, the LED will become green on.

Scan the same fingerprint again till beeper sound, the LED will become blue blinking.
Remark:SF600 series scan two times the same finger and SF500 series scan three times.

Step 4

Continue step 3 to scan second fingerprint with the same card if needed.
(The same card can issue up to 2 fingerprints)

Step 5

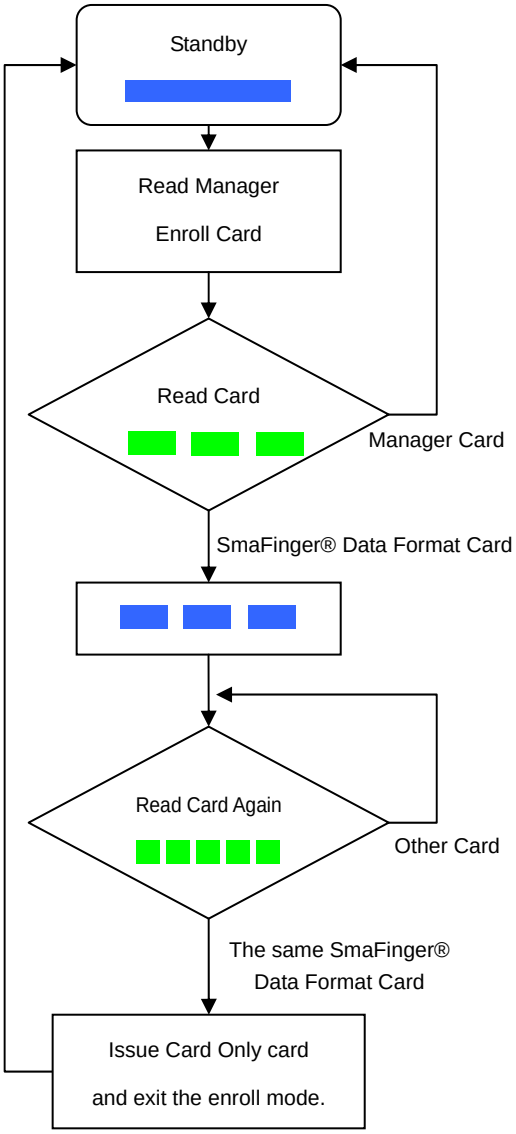
Read the same SmaFinger® Data Format card to store fingerprint till beeper sound.

If not the same card, the green light will still be blinking fast until read the same card.

When card issue is finished, it will exit the enroll mode

Then the user can use Card+Finger on any SmaFinger Reader.

B. Access Mode: Card Only



Step 1

In Standby mode the LED is blue on, you can read Manager Enroll Card to enter the enroll mode

Step 2

In enroll mode the LED is green blinking, you can read the SmaFinger® Data Format Card to enter the scan mode.

Or read Manager Enroll Card again to exit the enroll mode.

Step 3

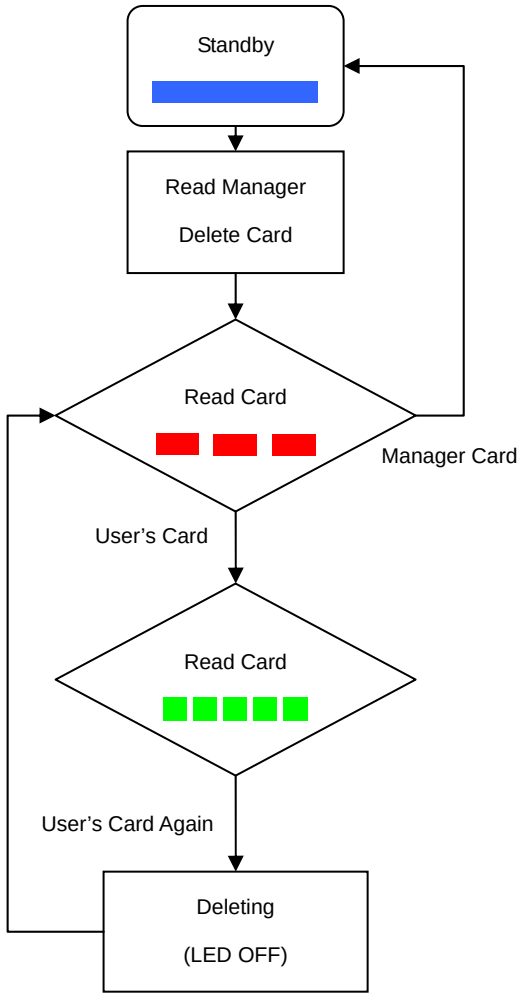
In scan mode the LED is blue blinking, please read again the same card to issue Card Only card.

Step 4

When card issue is finished, it will exit the enroll mode

Then the user can use Card Only on any SmaFinger Reader.

4. Applying Manager Delete Card for Deletion



Step 1

In Standby mode the LED is blue on, you can read Manager Delete Card to enter the delete mode

Step 2

In delete mode the LED is red blinking, you can read the User Card twice to delete the user's fingerprints in Card.

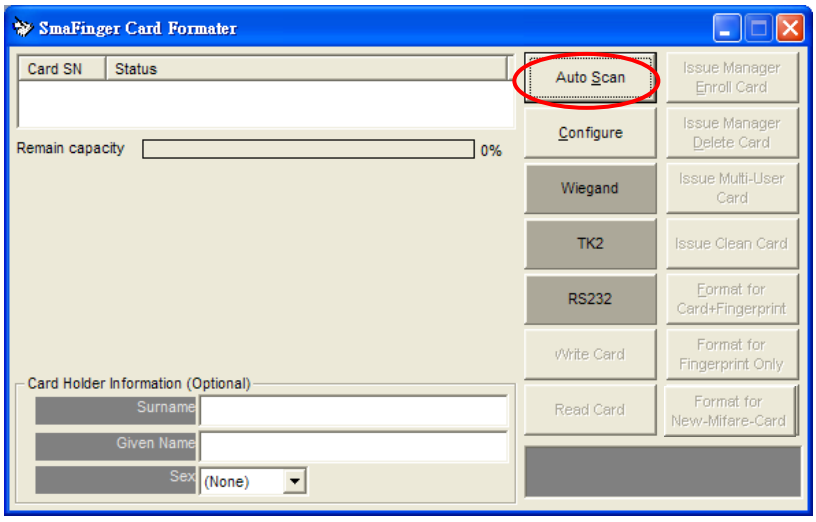
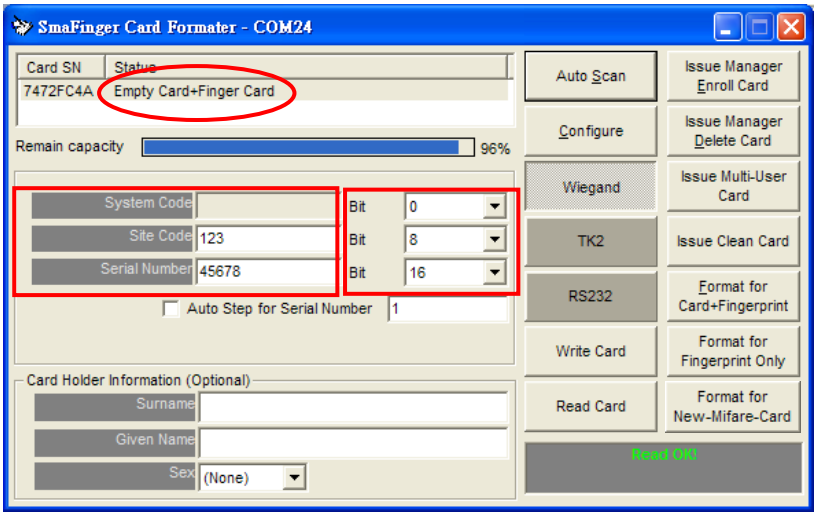
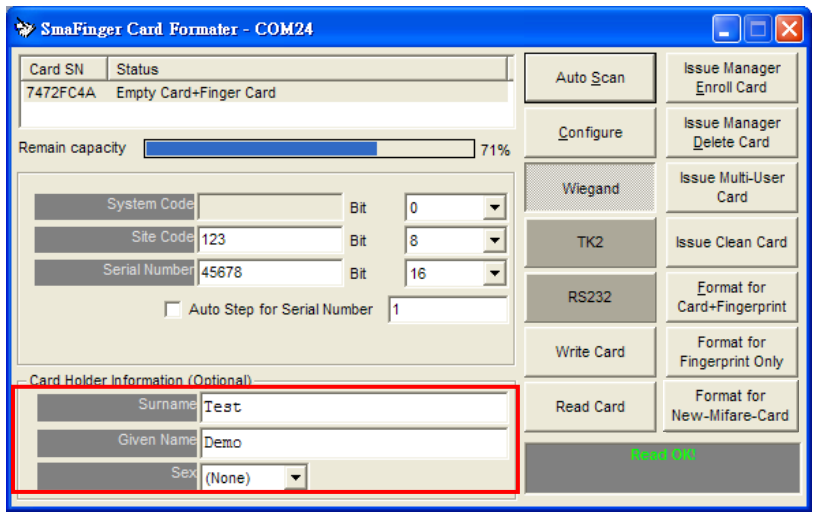
Or read Manager Delete Card again to exit the delete mode.

Appendix A

SmaFinger® Data Format with Sector Data

The format of Sector Data must correspond with Reader's output interface.
There are three Reader's output interfaces that are Wiegiand, ABA-TK2 and RS232.

A-1.for Wiegand output

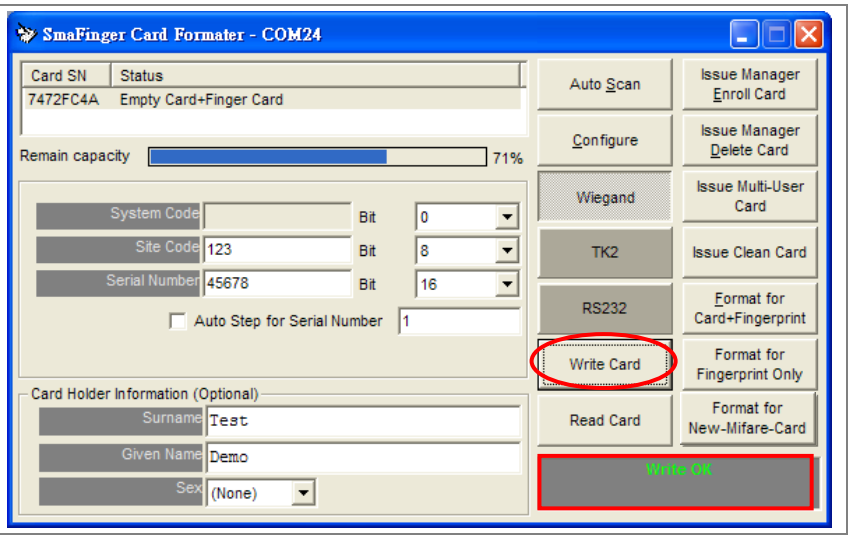
Step 1: Connect the PCR310 RWD to PC via USB port. Click "Auto Scan" Put a SmaFinger® Data Format Card on Reader. List show "Empty Card+Finger Card"	
Step 2: Click "Wiegand" Tab Set up System/Site/Serial Number bit size. Type in System/Site/Serial Number.	
Step 3: Type in Card Holder Information if you need.	

Step 4:

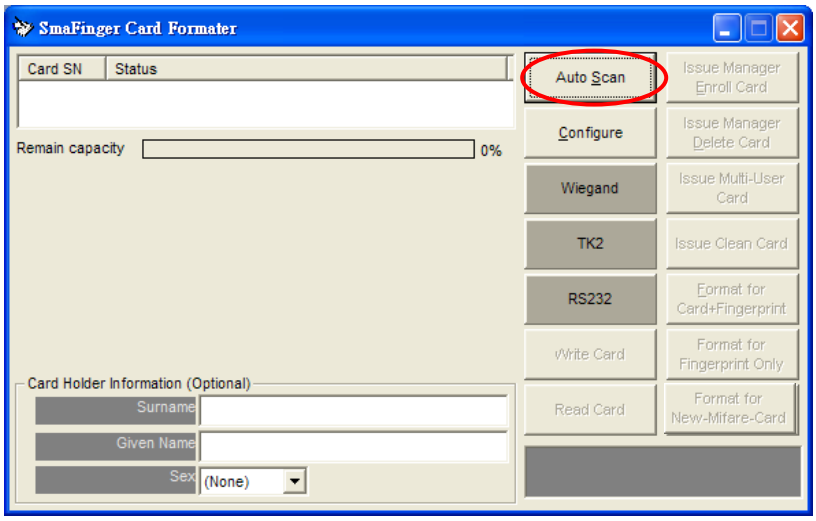
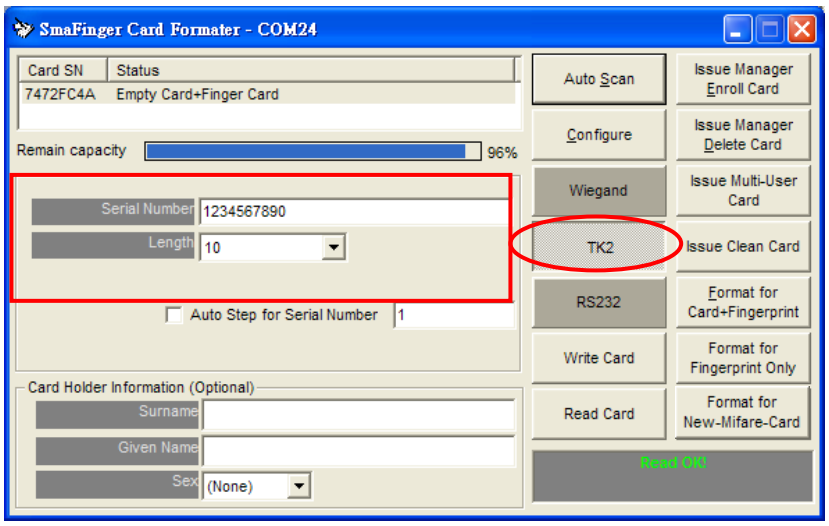
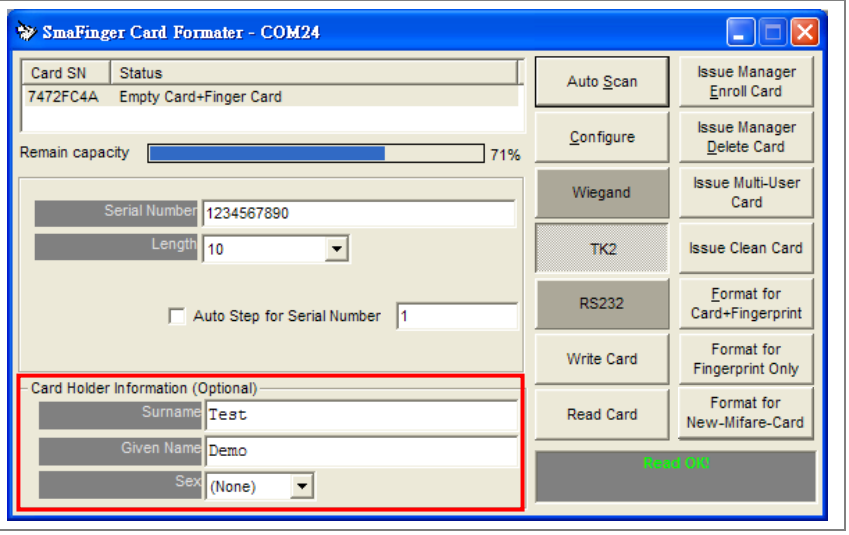
Click "Write Card".

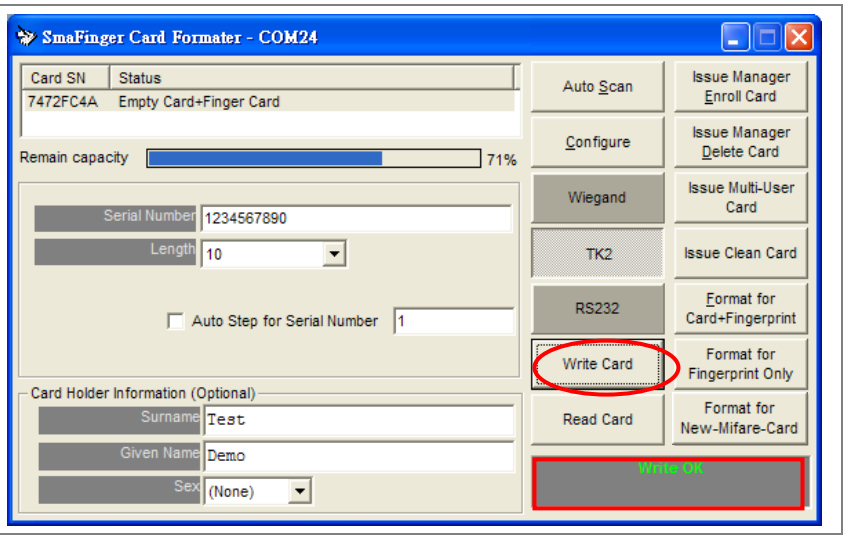
Wait for "Write OK"

This card can be used Card+Finger Access Mode with "Wiegand Format"

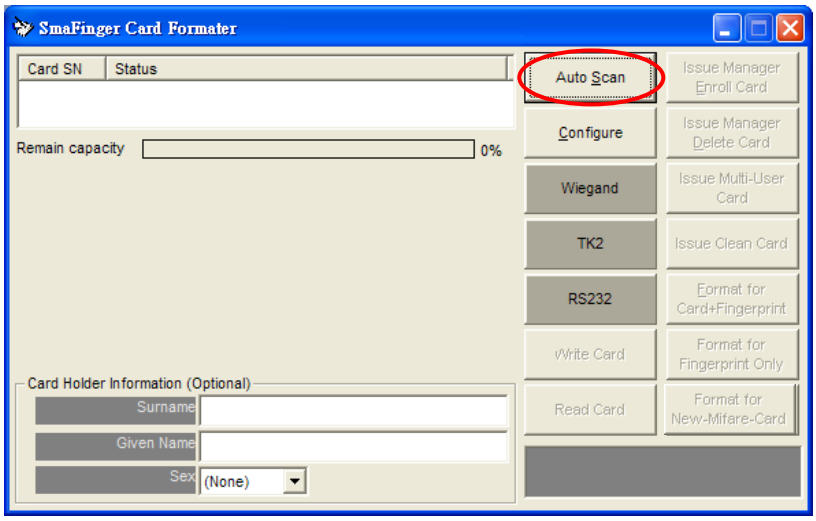
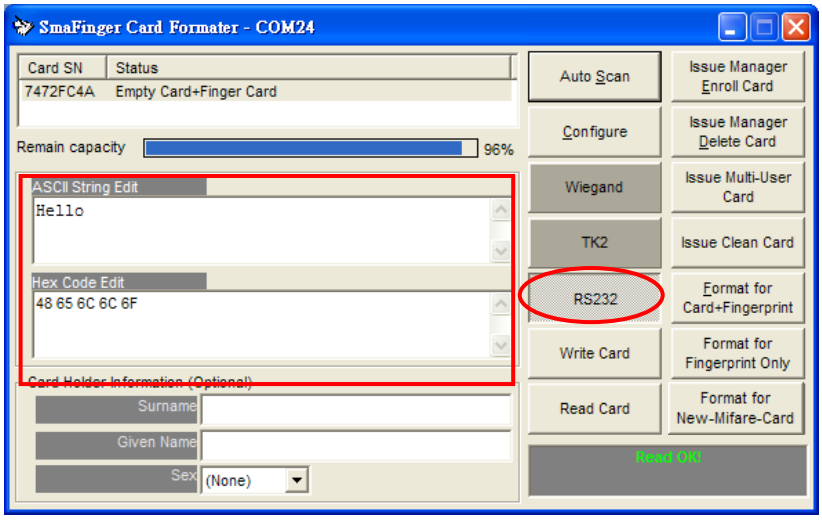
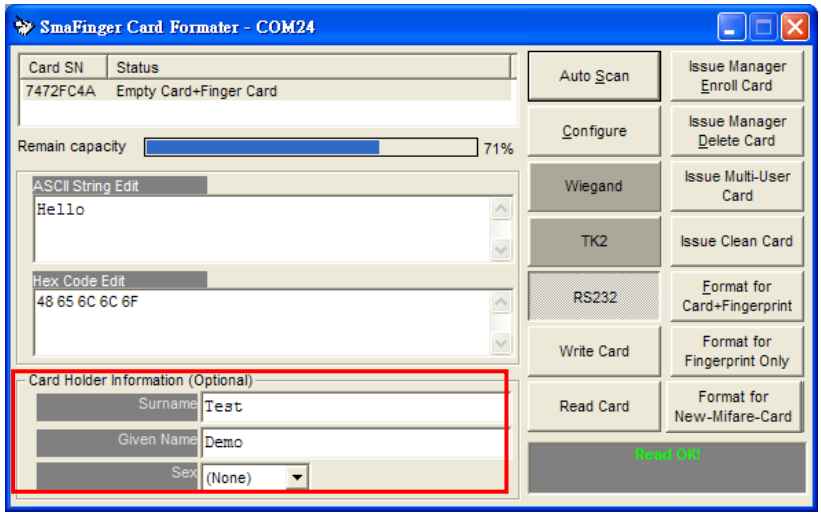


A-2. For ABA-TK2 output

Step 1: Connect the PCR310 RWD to PC via USB port. Click "Auto Scan" Put a SmaFinger® Data Format Card on Reader. List show "Empty Card+Finger Card"	
Step 2: Click "TK2" Tab Set up "Length". Type in Serial Number.	
Step 3: Type in Card Holder Information if you need.	

Step 4: Click "Write Card". Wait for "Write OK" This card can be used Card+Finger Access Mode with "TK2 Format"	

A-3. For RS232 output

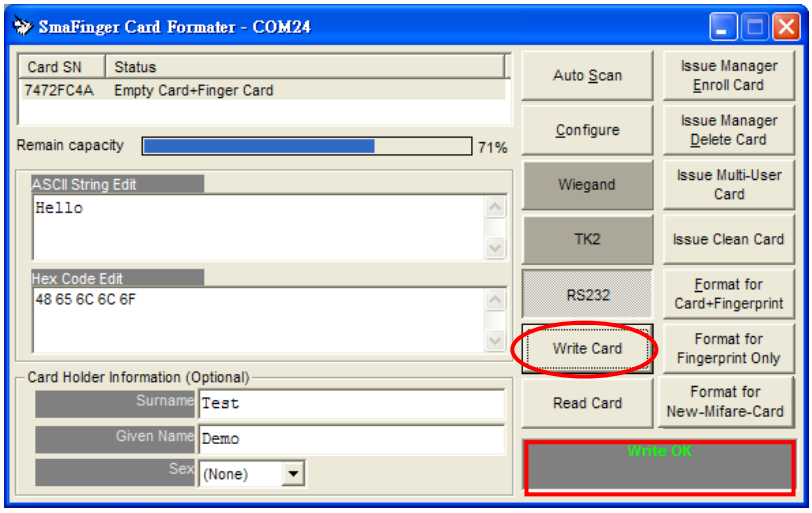
Step 1: Connect the PCR310 RWD to PC via USB port. Click "Auto Scan" Put a SmaFinger® Data Format on Reader. List show "Empty Card+Finger Card"	
Step 2: Click "RS232" Tab Type in ASCII String or Hex code.	
Step 3: Type in Card Holder Information if you need.	

Step 4:

Click "Write Card".

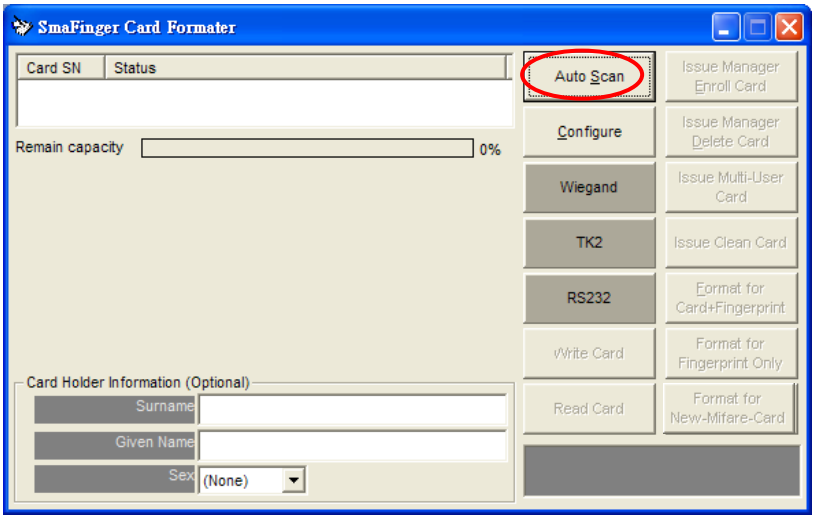
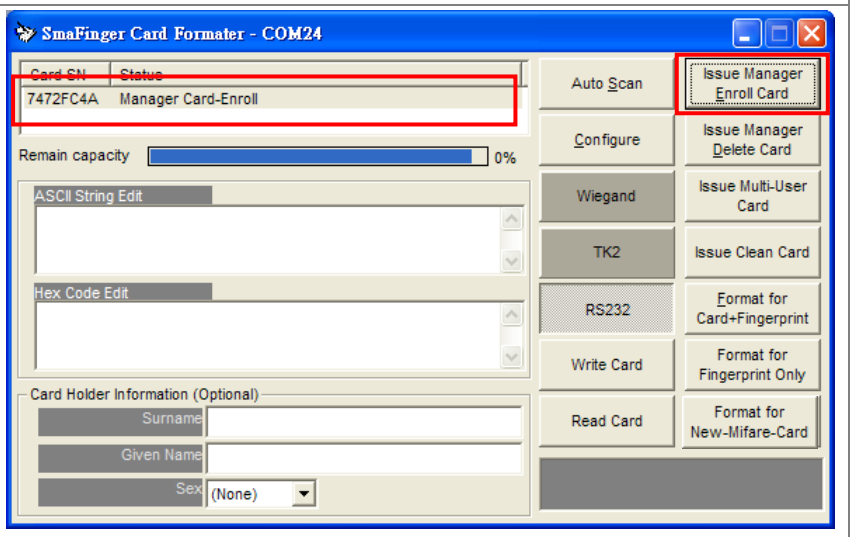
Wait for "Write OK"

This card can be used Card+Finger Access Mode with "RS232 Format"



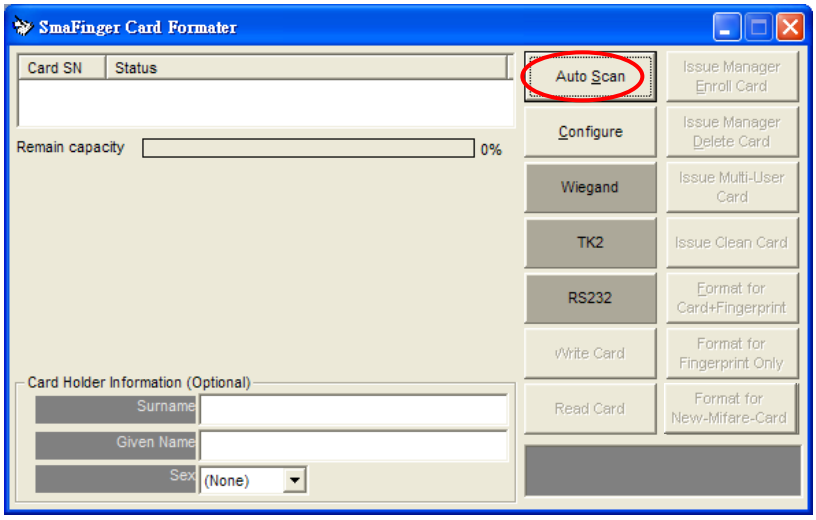
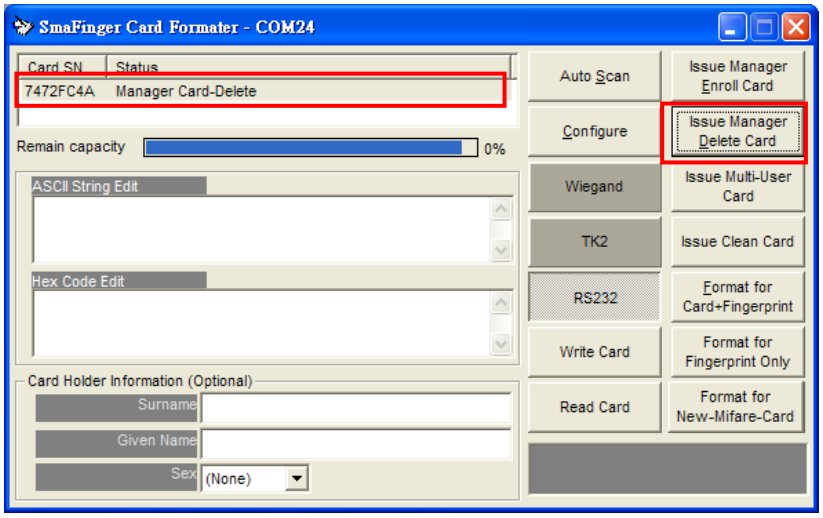
Appendix B

Issue Manager Enroll Card

Step 1: Connect the PCR310 RWD to PC via USB port. Run the software "SmaFinger Formater" (Start/All programs/GIGA-TMS/SmaFinger Formater). Click "Auto Scan"	
Step 2: Put a new Mifare Card on Reader. Click "Issue Manager Enroll Card" List show "Manager Card-Enroll" This card can be used for "Manger Enroll Card"	

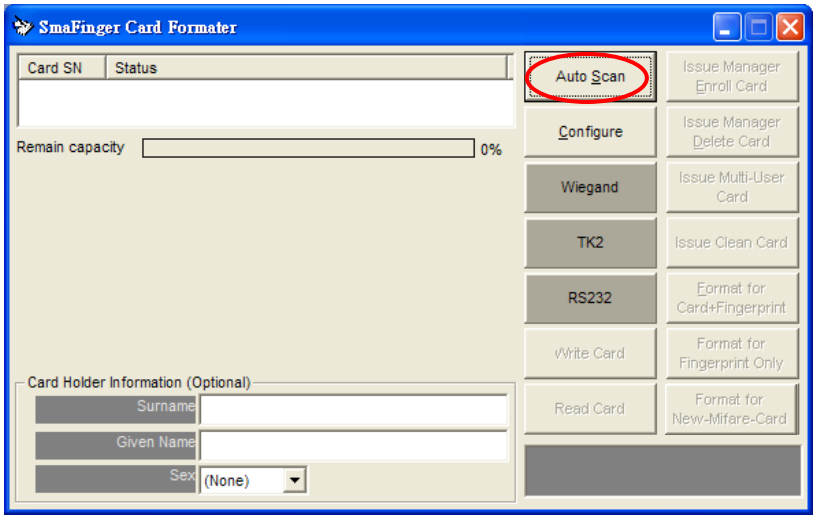
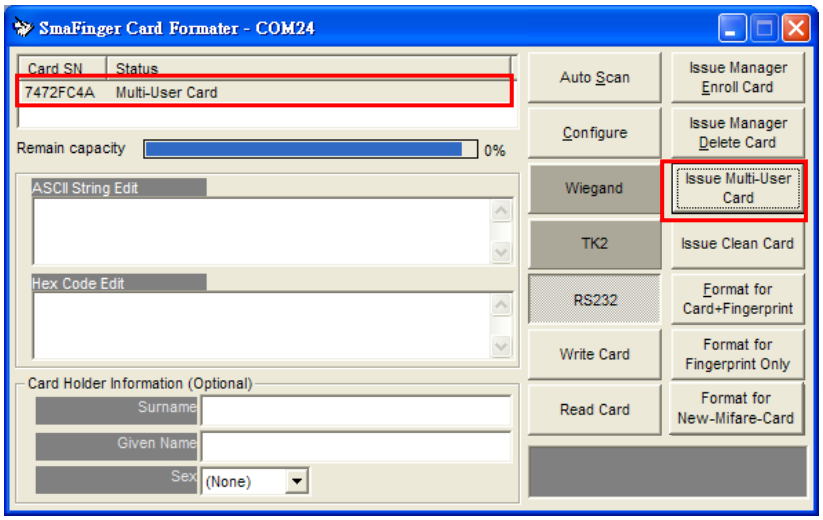
Appendix C

Issue Manager Delete Card

Step 1: Connect the PCR310 RWD to PC via USB port. Run the software "SmaFinger Formater" (Start/All programs/GIGA-TMS/SmaFinger Formater). Click "Auto Scan"	
Step 2: Put a new Mifare Card on Reader. Click "Issue Manager Delete Card" List show "Manager Card-Delete" This card can be used for "Manger Delete Card"	

Appendix D

Issue Multi-User Card

Step 1: Connect the PCR310 RWD to PC via USB port. Run the software "SmaFinger Formater" (Start/All programs/GIGA-TMS/SmaFinger Formater). Click "Auto Scan"	
Step 2: Put a new Mifare Card on Reader. Click "Issue Multi-User Card" List show "Multi-User Card" This card can be used for "Multi-User Card"	

Appendix E

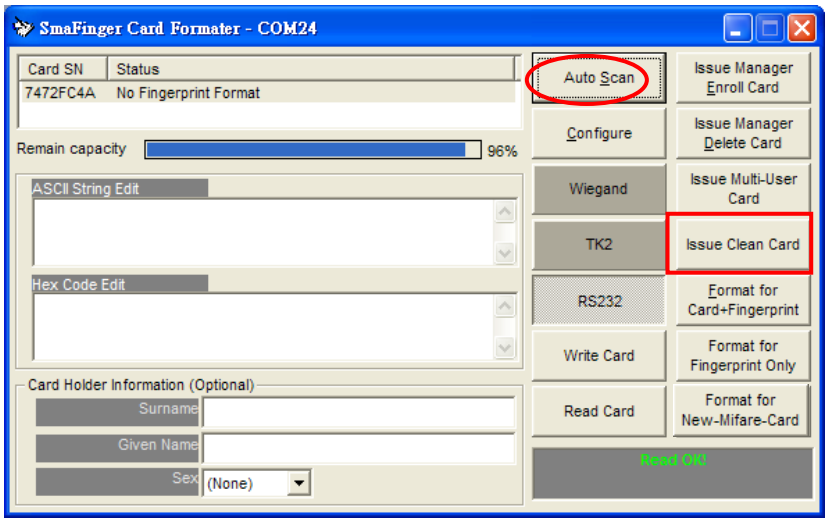
Issue Clean Card

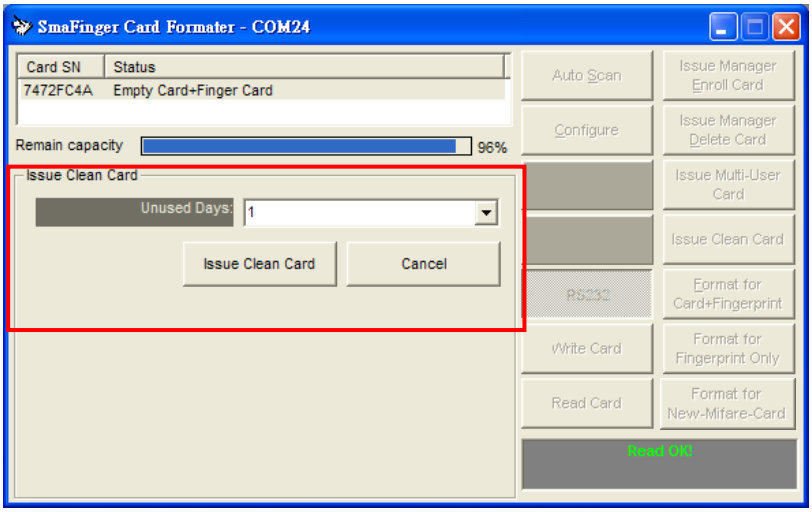
Step 1:

Connect the PCR310 RWD to PC via USB port.

Run the software "SmaFinger Formater" (Start/All programs/GIGA-TMS/SmaFinger Formater).
Click "Auto Scan"

Put a new Mifare Card on Reader.
Click "Issue Clean Card"

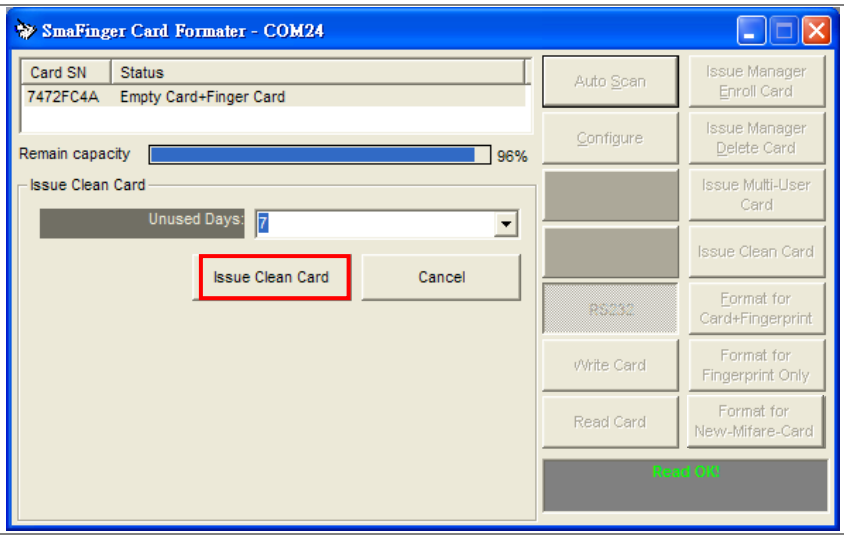


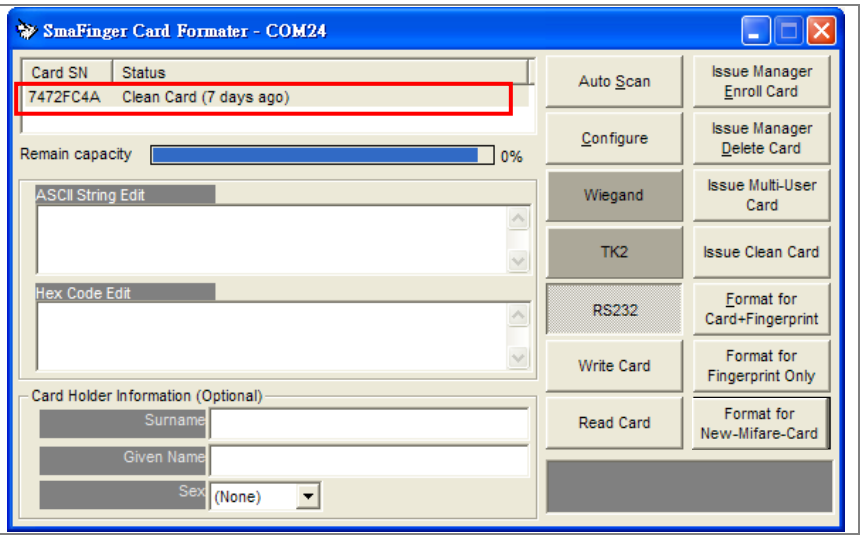


Step 2:

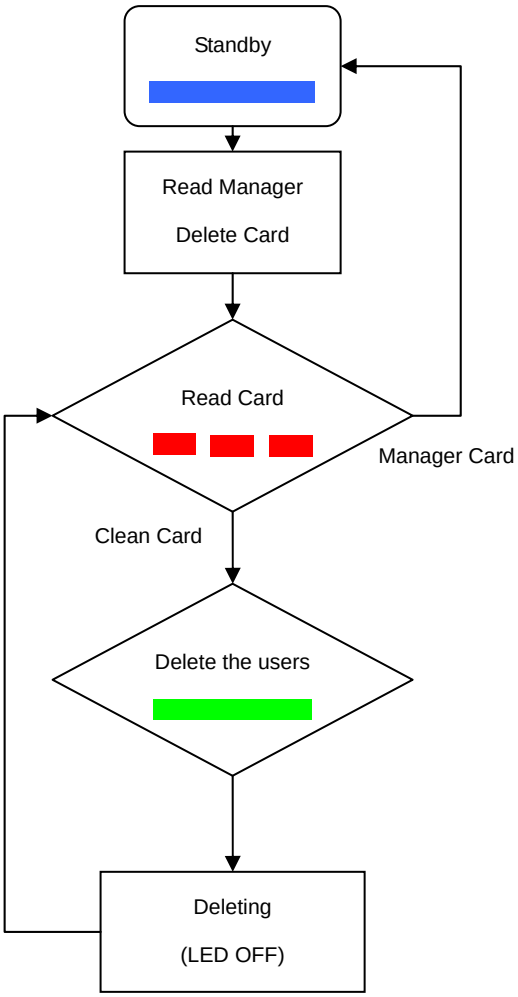
Choose the days for unused days

And Click "Issue Clean Card"



Step 3: List show "Clean Card (7 days ago)" This card can be used for "Clean Card"	

Applying Clean Card for Deletion



Step 1

In Standby mode the LED is blue on, you can read Manager Delete Card to enter the delete mode

Step 2

In delete mode the LED is red blinking, you can read the Clean Card to delete the user's fingerprints which unused for setting days.

Or read Manager Delete Card again to exit the delete mode.